


Anti-Hsp70 antibody ab31010

★★★★☆ **2 Abreviews** **13 References** 画像数 4

製品の概要

製品名	Anti-Hsp70 antibody
製品の詳細	Rabbit polyclonal to Hsp70
由来種	Rabbit
アプリケーション	適用あり: IHC-P, IP, WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Cow, Dog, Pig 
免疫原	Synthetic peptide within Human Hsp70 aa 550 to the C-terminus. The exact sequence is proprietary. Database link: <u>P0DMV8</u>
ポジティブ・コントロール	Hela cells. Breast cancer.
特記事項	<p>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
精製度	Immunogen affinity purified
特記事項(精製)	ab31010 is an affinity purified IgG.
ポリ/モノ	ポリクローナル

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab31010の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P		
IP		
WB	★★★★★ (1)	

追加情報

IHC-P: 1/100 for 30 min at RT. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. In particular, boil tissue sections in 10mM citrate buffer, pH 6.0 for 10 min and then cool at RT for 20 min.
 WB: Use at an assay dependent dilution. Predicted molecular weight: 70 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報

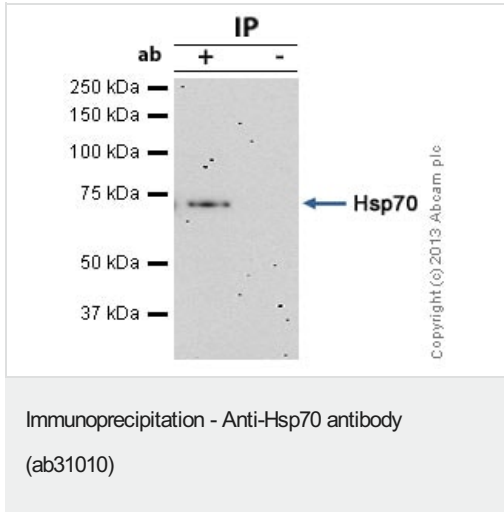
関連性

Function: In cooperation with other chaperones, the Hsp70 family stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell. Tissue specificity: HSPA1B is testis-specific.

細胞内局在

Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

画像



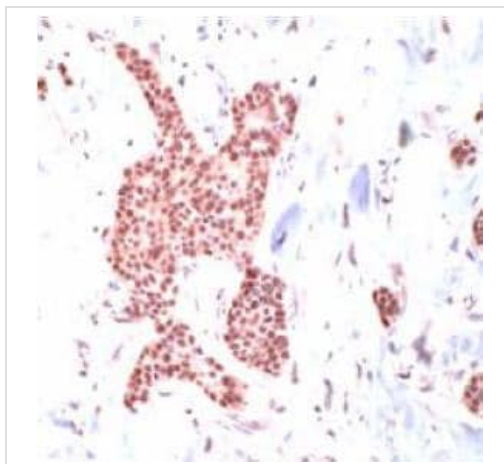
Hsp70 was immunoprecipitated using 0.5mg Hela whole cell extract, 5µg of Rabbit polyclonal to Hsp70 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Hela whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab31010.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) ([ab99697](#)).

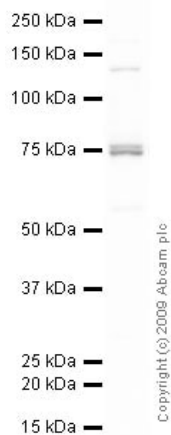
Band: 70kDa; Hsp70



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp70 antibody (ab31010)

Tissue: Human breast cancer (formalin fixed/paraffin).

Staining: ab31010 at 1/100 dilution for 30 minutes at room temperature.



Western blot - Anti-Hsp70 antibody (ab31010)

Anti-Hsp70 antibody (ab31010) at 1 µg/ml + HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg

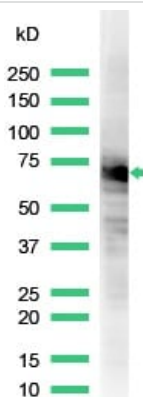
Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 70 kDa

Observed band size: 72 kDa

Additional bands at: 76 kDa (possible post-translational modification)



Western blot - Anti-Hsp70 antibody (ab31010)

Anti-Hsp70 antibody (ab31010) at 1/25 dilution + 293 cell lysate

Predicted band size: 70 kDa

Observed band size: 70 kDa

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